

August 16 - 22, 2002

The Terra spacecraft is in nominal mode. All instruments are in Science Mode.

A patch will be uplinked next week to change the on-board Fault Detection, Isolation and Recovery (FDIR) threshold. This modification was recommended as a result of analysis subsequent to the safehold event after Inclination Adjust Maneuver #5.

The MODIS lunar calibration roll maneuver scheduled for August 27 will be conducted one orbit earlier than originally planned to accommodate the antenna maintenance schedule at Guam. The scheduled contact is through TDRS 275 and is therefore directly impacted by this planned outage. Conducting the calibration on the earlier orbit will limit the lunar view and therefore reduce the quality of the calibration, but not below an acceptable limit.

An abrupt increase in solar activity will necessitate the next Drag Make-up Maneuver on September 4.

The ESMOS Project, Terra Project Scientist and Flight Operations Team (FOT) continue analysis and preliminary planning for implementation of the Deep Space Calibration Maneuver(s). Center-level meetings are planned in preparation for a proposal to NASA Headquarters in late August for maneuver implementation.

#### TERRA PLANS:

- <ul>
- <li>The next MODIS lunar calibration roll maneuver is scheduled for August 27.
- <li>The next Drag Make-up Maneuver on September 4.
- <li>The final Inclination Adjust Maneuver is planned for mid-September.
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